

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER No. 89-060

SITE CLEANUP REQUIREMENTS FOR:

ROYAL AUTO BODY AND TOWING CO.
150 NORTH WOLFE ROAD FACILITY
SUNNYVALE, SANTA CLARA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter called the Board) finds that:

1. Royal Auto Body and Towing, hereinafter called the discharger, has been operating an auto body and towing company at a facility located at 150 North Wolfe Road in Sunnyvale, Santa Clara County from 1978 to present.
2. Subsurface investigations initiated by the discharger in 1987 have revealed elevated levels of organic chemical pollution in soils and groundwater beneath the site in the vicinity of the northern and eastern boundaries of the site. Chemicals detected onsite include trichloroethylene (TCE), 1,1,1-trichloroethane (TCA), and methylene chloride.
3. Pollutant concentrations from 2 of 16 soil borings taken onsite were as high as 1300 parts per billion (ppb) for TCE. Pollutant chemical concentrations from 1 of 5 monitoring wells installed onsite were as high as 1600 ppb for TCE. The most recent sampling of this well shows a concentration of 35 ppb of TCE.
4. The discharger was initially requested to begin subsurface investigations on February 13, 1987 and will conduct more investigations to define the lateral and vertical extent of soil and groundwater contamination beneath its site.
5. The Regional Board adopted a revised Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) on December 17, 1986. The Basin Plan contains water quality objectives and beneficial uses for South San Francisco Bay and contiguous surface and groundwaters.
6. The existing and potential beneficial uses of the groundwater underlying and adjacent to the facility include:
 - a. Industrial process water supply
 - b. Industrial service supply
 - c. Municipal and Domestic supply
 - d. Agricultural supply

7. The discharger threatens to cause or permit waste to be discharged or deposited where it is or probably will be discharged to waters of the State and creates or threatens to create a condition of pollution or nuisance.
8. Measures to stabilize the pollutant plume need to be implemented to alleviate the threat to the environment posed by the migration of pollutants and to provide a substantive technical basis for designing and evaluating the effectiveness of final cleanup alternatives.
9. This action is an order to enforce the laws and regulations administered by the Board. This action is categorically exempt from the provisions of the CEQA pursuant to Section 15321 of the Resources Agency Guidelines.
10. The Board has notified the discharger and interested agencies and persons of its intent under California Water Code Section 13304 to prescribe Site Cleanup Requirements for the discharge and has provided them with the opportunity for a public hearing and an opportunity to submit their written views and recommendations.
11. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, pursuant to Section 13304 of the California Water Code, that the discharger shall cleanup and abate the effects described in the above findings as follows:

A. PROHIBITIONS

1. The discharge of wastes or hazardous materials in a manner which will degrade water quality or adversely affect the beneficial uses of the waters of the State is prohibited.
2. Significant migration of pollutants through subsurface transport to waters of the State is prohibited.
3. Activities associated with the subsurface investigation and cleanup which will cause significant adverse migration of pollutants are prohibited.

B. SPECIFICATIONS

1. The storage, handling, treatment or disposal of polluted soil or groundwater shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. The discharger shall conduct monitoring activities as needed to define the current local hydrogeologic conditions, and the lateral and vertical extent of soil and groundwater pollution from its site. Should monitoring results show evidence of plume migration, additional plume characterization will be required.

C. PROVISIONS

1. The discharger shall submit to the Board technical reports on self-monitoring work performed according to a program prescribed by or amended by the Board's Executive Officer.
2. The discharger shall comply with Prohibitions A.1., A.2., and A.3., and Specifications B.1. and B.2. above, in accordance with the following time schedule and tasks:

COMPLETION DATE/TASK:

- a. COMPLETION DATE: April 28, 1989

TASK: SOIL AND GROUNDWATER POLLUTION
CHARACTERIZATION:

Submit a technical report acceptable to the Executive Officer containing a proposal to complete definition of the vertical and horizontal extent of soil and groundwater pollution originating from the discharger's facility.

- b. COMPLETION DATE: July 31, 1989

TASK: SOIL AND GROUNDWATER POLLUTION
CHARACTERIZATION:

Submit a technical report acceptable to the Executive Officer which defines and includes the results of work performed to complete the vertical and horizontal characterization of the extent of soil and groundwater pollution originating from the discharger's facility.

- c. COMPLETION DATE: August 31, 1989

TASK: SOIL REMEDIATION:

Submit a technical report acceptable to the Executive Officer based on the results of work performed in accordance with Provision C.2.b that either: 1) documents commencement of implementation of soil remediation, or 2) contains the results of pilot work evaluating alternative soil remedial action technologies and containing a proposal for soil remediation at the site.

- d. COMPLETION DATE: August 31, 1989

TASK: PROPOSAL FOR PLUME CONTAINMENT AND INTERIM CLEANUP AT THE SITE:

Submit a technical report acceptable to the Executive Officer based on the technical report submitted for Task C.2.b. which contains a proposal to implement interim remedial measures to prevent further pollution migration to offsite areas and to cleanup the pollutant plume. If this proposal includes the extraction of groundwater, the proposal shall describe the treatment and discharge of such extracted groundwater.

- e. COMPLETION DATE: December 31, 1989

TASK: STARTUP OF PLUME CONTAINMENT AND INTERIM CLEANUP MEASURES AT THE SITE:

If the technical report submitted for Task C.2.d recommends implementing plume containment and interim cleanup measures, submit a technical report acceptable to the Executive Officer documenting completion of the construction and startup of facilities that implement such measures.

- f. COMPLETION DATE: June 30, 1990

TASK: EVALUATE PLUME CONTAINMENT AND INTERIM CLEANUP MEASURES:

Submit a technical report acceptable to the Executive Officer which evaluates the effectiveness of any plume containment and interim soil and groundwater cleanup systems,

constructed pursuant to Tasks C.2.c. and C.2.e., to prevent further pollution migration to offsite areas and to cleanup the soil and groundwater pollutant plume. Such an evaluation shall include but need not be limited to confirmation of the flow capture zone of any extraction wells, establishment of the cones of depression by field measurements, and presentation of chemical monitoring data. Specific modifications to the systems and implementation time schedules shall be proposed in the event that the initial control systems are demonstrated not to be effective in containing and cleaning up the soil and groundwater pollutant plume.

g. COMPLETION DATE: June 30, 1991

TASK: FINAL CLEANUP OBJECTIVES AND ACTIONS:

Submit a technical report acceptable to the Executive Officer containing, at a minimum, the following: a summary of current site conditions, an evaluation of all completed or installed interim remedial measures, a feasibility study evaluating alternative final remedial measures, a public health evaluation, recommended final cleanup objectives based on the public health evaluation, the recommended measures necessary to achieve final cleanup objectives, and the tasks and time schedule necessary to implement the recommended final remedial measures.

3. The submittal of technical reports evaluating interim and final remedial measures will include a projection of the cost, effectiveness, and impact on public health, welfare, and environment of each alternative measure. The technical report required in Task C.2.g shall consider guidance provided by Subpart F of the National Oil and Hazardous Substances Pollution Contingency Plan (40 CFR Part 300), Section 25356.1 (c) of the California Health and Safety Code, and CERCLA guidance documents, and the State Water Resources Control Board's Resolution No. 68-16, "Statement of Policy with Respect to Maintaining High Quality of Waters in California."
4. Any proposal for the discharge of extracted groundwater included in the technical report required in Task C.2.d. must initially consider the feasibility of reclamation, reuse or discharge to a publicly owned treatment works (POTW), as specified in Board Resolution No. 88-160. If it can be demonstrated that

reclamation, reuse or discharge to a POTW is technically and economically unfeasible, a proposal for discharge to surface water shall be considered. Such proposal for discharge to surface water shall include the above demonstration and a completed application for an NPDES permit.

5. The discharger shall submit chemical analytical results from groundwater and soil sampling conducted pursuant to this Order within 7 days of receipt by the discharger. Such results shall clearly indicate all sampling locations.
6. If the discharger is delayed, interrupted or prevented from meeting one or more of the completion dates specified in this Order, the discharger shall promptly notify the Executive Officer. In the event of such delays, the Board may consider modification of the task completion dates established in this Order.
7. Technical reports on compliance with the Prohibitions, Specifications, and Provisions of this Order shall be submitted monthly to the Board commencing with the May 1989 report due on June 15, 1989. Continuing on a monthly basis thereafter, these reports shall consist of a brief letter report that, (1) summarizes work completed since submittal of the previous report, and work projected to be completed by the time of the next report, (2) identifies any obstacles which may threaten compliance with the schedule of this Order and what actions are being taken to overcome these obstacles, and (3) includes, in the event of non-compliance with Provisions of this Order, written notification which clarifies the reasons for non-compliance and which proposes specific measures and a schedule to achieve compliance. This written notification shall identify work not completed that was projected for completion, and shall identify the impact of non-compliance on achieving compliance with the remaining requirements of this Order.
8. In addition to the monthly report required in C.7, the discharger shall submit a quarterly technical report commencing with a report for the quarter ending June 30, 1989, due July 15, 1989. The quarterly technical report shall include, but need not be limited to, updated water table and piezometric water level measurements and chemical results of all monitoring wells and any extraction wells, cross-sectional geological maps describing the hydrogeological setting of the site, a detailed base map showing the location of all monitoring wells and extraction wells as well as identifying adjacent facilities and structures.


9. All hydrogeological plans, specifications, reports, and documents shall be signed by or stamped with the seal of a registered geologist, engineering geologist or professional engineer.
10. All samples shall be analyzed by State certified laboratories or laboratories accepted by the Board using approved EPA methods for the type of analysis to be performed. All laboratories shall maintain quality assurance/quality control records for Board review.
11. The discharger shall maintain in good working order, and operate, as efficiently as possible, any facility or control system installed to achieve compliance with the requirements of this Order.
12. Copies of all correspondence, reports, and documents pertaining to compliance with the Prohibitions, Specifications, and Provisions of this Order, shall be provided to the following agencies:
 - a. Santa Clara Valley Water District
 - b. Santa Clara County Health Department
 - c. City of Sunnyvale
 - d. Department of Health Services/TSCD

The Executive Officer may additionally require copies of correspondence, reports and documents pertaining to compliance with the Prohibitions, Specifications, and Provisions of this Order to be provided to the U.S. Environmental Protection Agency, Region IX, and to a local repository for public use.

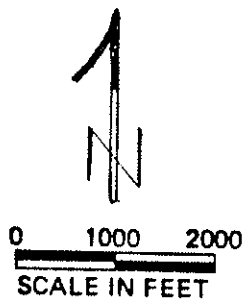
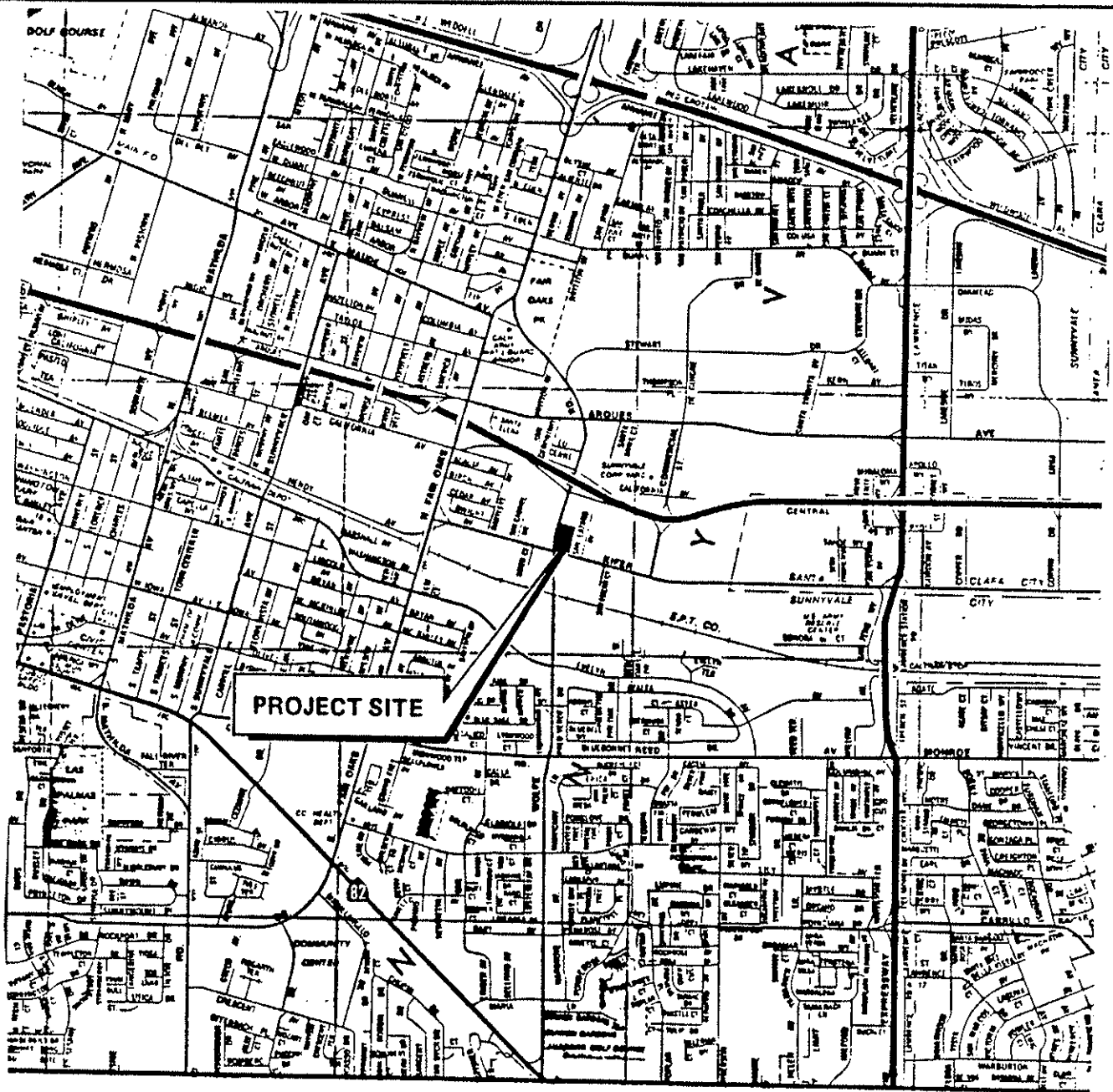
13. The discharger shall permit the Board or its authorized representative, in accordance with Section 13267(c) of the California Water Code:
 - a. Entry upon premises in which any pollution sources exist, or may potentially exist, or in which any required records are kept which are relevant to this Order.
 - b. Access to copy any records required to be kept under the terms and conditions of this Order.
 - c. Inspection of any monitoring equipment or methodology implemented in response to this Order.
 - d. Sampling of any groundwater or soil which is accessible, or may become accessible, as part of any investigation or remedial action program undertaken by the discharger.

14. The discharger shall file a report on any changes in site occupancy and ownership associated with the facility during the effect of this Order.
15. If any hazardous substance is discharged in or on any Waters of the State, or discharged and deposited where it is, or probably will be discharged in or on any Waters of the State, the discharger shall report such a discharge to this Regional Board, at (415) 464-1255 on weekdays during office hours from 8 a.m. to 5 p.m., and to the Office of Emergency Services at (800) 852-7550 during non-office hours. A written report shall be filed with the Regional within five (5) working days and shall contain information relative to: the nature of waste or pollutant, quantity involved, duration of incident, cause of spill, Spill Prevention, Control and Countermeasure Plan (SPCC) in effect, if any, estimated size of affected area, nature of effects, corrective measures that have been taken or planned, and a schedule of these activities, and persons notified.
16. The Board will review this Order periodically and may revise the requirements when necessary.

I, Steven R. Ritchie, Executive Officer, do hereby certify that the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on April 19, 1989.


Steven R. Ritchie,
EXECUTIVE OFFICER

Attachment: Site Map



Source:
U.S. Geological Survey Map, 7.5 minute series,
Sunnyvale California, Quadrangle. 1978.

STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

LOCATION MAP

ROYAL AUTO BODY AND TOWING COMPANY
150 NORTH WOLFE ROAD FACILITY
SUNNYVALE, SANTA CLARA COUNTY

DRAWN BY MYM DATE: 1/5/89 DRWG. NO. 009